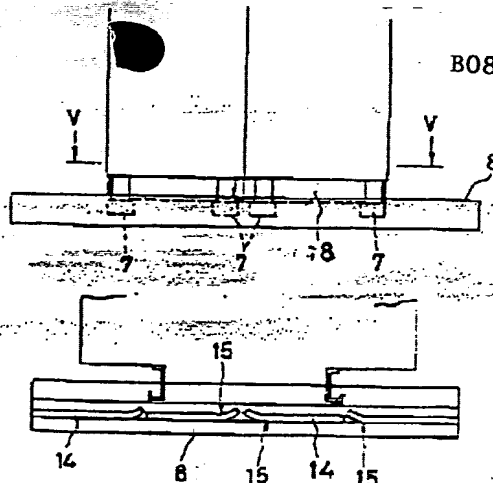


VOL: 18 NO: 24 (M - 1603)
AB. DATE : 11-05-1994 PAT: A 6032572
PATENTEE : TOSHIBA CORP
PATENT DATE: 08-02-1994

INVENTOR : MIYAMOTO KENJI; others: 02

INT.CL. : B66B13/30

TITLE : DOOR OF ELEVATOR CAR



ABSTRACT : PURPOSE: To tightly close up a car so as to prevent invasion of noise by guidedly moving guide rollers and guides provided on the upper and lower parts of doors through guide rails and guide grooves provided on the car side, and curving the end parts of the door closing side of the guide rails and the guide grooves the cage side.

CONSTITUTION: The doors 2 of an elevator car are suspended by engaging hanging plates 6 rotatably supporting rollers 5 with guide rails 13... provided on a fitting plate 13 on the car side through the rollers 5. Stable opening/closing of the doors 2 is realized by engaging guides 7... provided on the lower end part of the doors 2 with the guide grooves 14... of a threshold 8 provided on the car. In this case, the extreme end parts of the respective guide rails 13 and the respective guide grooves 14, i.e., the end parts contacted with the rollers 5 and the guides at closing the doors 2, are respectively bent on the cage side as to form curved parts 15. Hereby, the doors 2 are moved on the cage side through the rollers 5 and the guides 7 at the time of closing the doors, the doors are pressed against seal material provided on the peripheral part of the opening of the car so as to tightly close up the car 2.